

INSTALLATION MANUAL FOR THE WATTS 4 STAGE KWIK CHANGE REVERSE OSMOSIS SYSTEM



Introduction

We have taken the time to produce these instructions based on feedback we have received that the instructions that come supplied in the box are a little too complicated and that they are somewhat difficult to follow as Watts have produced a one size fits all manual that caters for all variations of taps and valves.

Installing the Watts KWIK Change RO system is not a complicated process and can be a simple DIY job.

You should find this manual simple enough for what you have actually got in the box.

Please also consult the main manual and only refer to this manual if you are finding the main instructions too complex.

Please read the main manual provided with the system by Watts carefully before proceeding with installation. Your failure to follow the instructions or operating parameters may lead to the product's failure and possible damage to property. It is end users responsibility to ensure that this system is installed according to all local codes and regulations.

“Watts” is in the Box?

The following items should be in the box;



- 1) Lots of tubing – there will be two different sizes (3/8" and 1/4")
- 2) Tank Stand
- 3) Tap with fitting accessories
- 4) Bracket with 4 Colour Coded Filters
- 5) Tank
- 6) Tank Valve
- 7) Tubing to Tap Connector Push Fit
- 8) Saddle Valve with fitting accessories
- 9) PTFE Tape
- 10) Mounting Screws
- 11) Waste Kit

Tools required for installation

- Drill
 - Selection of drill bits
 - 13 mm drill bit
- Adjustable Spanner
- Box spanner (desirable but not necessary)
- Philips Screw driver
- Pencil
- Sharp Knife

Step 1: Work out where the tap is going to go and fit it

- Make an assessment of what you have available in terms of an existing hole on the sink to use for the tap. Many sinks have an available hole which has a decorative cap on it which would be ideal to use for the RO system tap.



- If you don't have anything like this on your sink then you need to make a hole. Before you decide where to drill a hole, first make sure you can access the underside, as later on we will need to secure the tap in place there and then attach tubing to it. Take note of the thickness of the surface you are going to drill and ensure there is enough thread underneath.
- Make a slight dent or a drill a small "pilot" hole:



- Now drill the hole using a 13mm drill bit



- Take the tap (part 3) and first place the smaller rubber washer, then the chrome plate and the larger black washer



- The place your tap in position. (Note that you may wish to point the black handle slightly away from the main sink area to stop it getting in the way or getting knocked when doing washing up)



- On the underside of the tap, the rest of the parts go in the following order (the bolt goes on last):





- Now secure the tap in position by placing the remaining parts on the thread and tightening up by hand at first. Then you can use a spanner or a box spanner (if space is limited) to ensure the tap is nice and tight.



Step 2: Attach the Saddle Valve

- Using the Saddle Valve (Part 8). Clamp it around the cold water pipe as shown below. Tighten it fully with an adjustable spanner. Ensure the section which take in the hose is accessible.



- You may wish to turn off your water supply before taking the next step.
- Using the red handle, turn fully clockwise. This will pierce the cold water pipe. Leave it that position.

Step 3: Attach the Waste Kit

- Using the Waste Kit (part 11). Locate the waste water pipe (this is the plastic pipe which carries the waste water from your sink to the drain). When doing this it is recommended to install the waste kit as low as possible or ideally lower than where the RO unit will be.
- There is a small foam sticky pad which you stick onto the inner side of the outer half of the waste kit.
- Wrap the waste kit around the waste pipe as shown below and secure in place with the screws and bolts, then tighten with your spanner:



- Using a small drill bit (4-5mm) drill a hole through the opening of the waste kit and ensure you have drilled through the waste pipe. Some waste kits may come with a piece which screws onto the section you have just drilled through to enable a push fit of the tubing.





Step 4: Mount the RO unit Bracket and Filters

- Take the Bracket and one of the filter and measure up where you want to attach the bracket to the wall ensuring there is adequate clearance from the ground level. Leave a minimum of 2-3 inches from the ground level for easy access to changing filters.



- Using your pencil, then go ahead and mark where you want the holes to be made



- Using a 3-4mm drill bit, then go ahead and drill the holes you have just marked up.



- The just screw in the two Mounting Screws (part 10) provided:

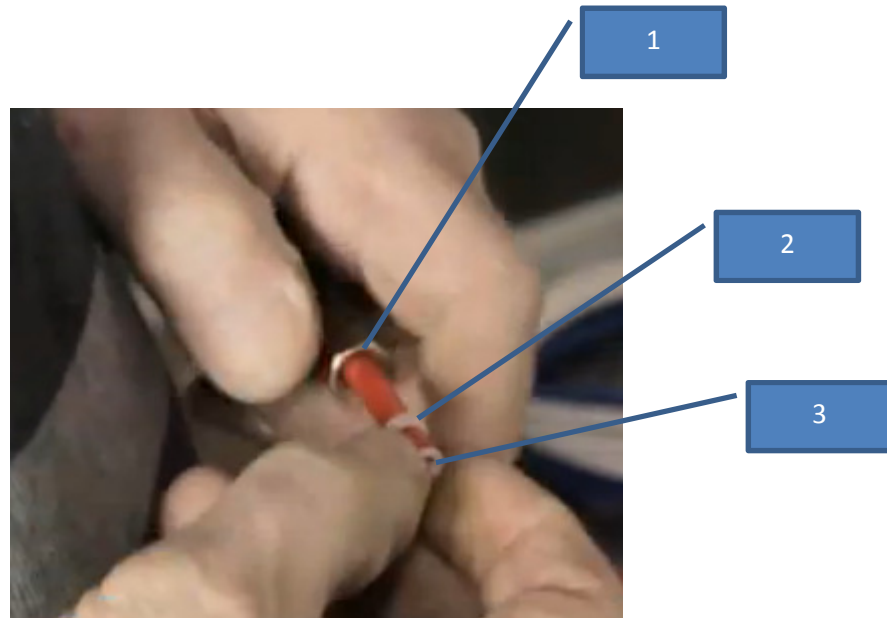


Step 5: Attaching all the tubing

There are 2 sizes of tubing in the kit: 1/4" (6mm diameter) and 3/8" (10mm diameter). The tubing can come in different colours, which you can ignore – just note that there are 2 different sizes.

- Starting with the saddle valve, first grab some 1/4" tubing. There will be 3 parts required to attach to the tubing.
 1. First place the brass nut over the end of the tubing with the thread end facing outwards.
 2. Next place the plastic (or brass) olive over the tube.
 3. Then there is a small plastic insert which goes inside the tube. Push in firmly.

See picture below



- Then screw this onto the saddle valve and tighten with a spanner.



- Next, using 1/4" tubing, simply push fit one end into the waste kit, ensuring it is fully entering the waste pipe:



- The other type of waste kit involve having to turn the fitting on the end and using a spanner simply tighten with a 1/4 turn to secure the tubing:



- Next, using the Tap push fit (part number 7), screw the end onto the thread of the tap. Then locate some 3/8" tubing and push into the fitting. Ensure it is fully pushed in, you should feel it push it slightly further after feeling some initial resistance. Give the tubing a slight tuck back to ensure it is fully in place.
- Now all your tubing will be in place. The next step is to connect all the tubing and tank together with the bracket. In doing this you may wish to shorten the length of your tubing. To do this just use a sharp knife to cut the tubing evenly across ensuring the end is nice and clean and flat.

Step 6: Connect Tubing and Tank to Bracket and Mount

- Using the Tank Valve (part 6) screw this onto the metal tank. Be very careful not to over tighten as the tank valve is very delicate and will crack if over tightened. Just screw it on and keep going until it naturally stops without using much force. In the picture below the tank is in the off position



- The Back of the RO Bracket has been conveniently labelled with Tank, Drain, Faucet and In. Figure out how much 3/8" tubing you need to go from where the bracket will be mounted and where the tank is positioned. If required cut the tubing with your knife to shorten.
- Push the 3/8" tubing into the tank valve. Give it a good push in, you will feel it go in then a little bit extra with a push, give it a tug back to ensure it is properly gripped. Then turn the tank valve in the on position (which is pointing in the same direction as the tubing)



- Now do the same and insert the other end of the tube into to the back of the bracket into the push fitting labelled “Tank”. Again, give it a good push to make sure it is fully in.



- Next insert the end of the drain tube into the back of the back push fit labelled “Drain”. Again ensure it is given a good push it:



- Next we repeat the same process for the tube connected to the saddle valve. Simply push the end of this into the back of the bracket into the push fitting labelled “In”. Again push in completely until you feel that second push and give it a tug back to ensure it has properly gripped.
- The lastly connect the 3/8” tubing from the tap to the connection at the back of the bracket labelled “Faucet”.
- Now that you have fully connected all the tubing, simply unwrap your filters and connect them into the sockets with a simple ¼ turn. Line the back up and turn clockwise. The labels on each filter should be facing forwards.



- Now that you have fully connected all the tubing, simply unwrap your filters and connect them into the sockets with a simple ¼ turn. Line the back up and turn clockwise. The labels on each filter should be facing forwards.
- Lastly, turn the red handle on the saddle valve to open the water supply. You will hear the sound of water trickling into the system. Open the saddle valve fully.
- The tap has a black lever which goes in two directions. You can flick the tap up to put it in a constantly open position. DO this until water starts spitting out. Once water comes out, flick the tap back down.
- Then check the system for any leaks. There should not be any leaks at all, if there are, then the tubing has not fully been pushed into the push fittings so correct that.
- Leave the system alone for 2-3 hours and allow the tank to fill up.
- Once the tank is full, flick the tap up again and drain the system to waste until water stop flowing or turns in into a tiny stream. This will flush out any loose activated carbon.
- Then leave for another 2-3 hours allowing the tank to re-fill. Then it is good to use!